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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/475,135	12/30/1999	HYEK SEONG KWEON	465-647P	5994

7590 02/15/2002

BIRCH STEWART KOLASCH & BIRCH LLP
P O BOX 747
FALLS CHURCH, VA 220400747

EXAMINER

YENKE, BRIAN P

ART UNIT	PAPER NUMBER
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2614

DATE MAILED: 02/15/2002

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/475,135

Applicant(s)

KWEON ET AL.

Examiner

BRIAN P. YENKE

Art Unit

2614

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE ____ MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-12 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-12 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on ____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) ____.
- 4) ☐ Interview Summary (PTO-413) Paper No(s) ____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other:

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-12 are rejected under 35 U.S.C. 102(b) as being anticipated by **Suh, US 5,831,591**.

Suh discloses an "Information Picture Display Device Using a Double-Picture Type Screen" where the user is given options to select a desired screen mode. The system processes television signal (TV 2 and/or TV1) and also processes other information to include, TV information, stock market quotes, news and weather via a value added network (VAN).

In considering claims 1-2,

1) the claimed determining whether or not a menu key is input...**is met by microcomputer 110 which recognizes the (screen mode) key input via user (Fig 1&4) (col 1, line 43-60) and information processing unit 210 which also receives a key input via user.**

2) the claimed determining a current screen display mode...**is met microcomputer 110 which controls the operation of the double window processing according to a selected screen mode.**

3) the claimed displaying a menu element in a menu display...**is met by double window processing unit 100 which receives instruction from information processing unit 210 via microcomputer 110 to display the appropriate source(s) on the desired menu mode selected by the user (Fig 3A-3E)**

In considering claims 3-6,

Suh discloses that various display modes can be used where one picture is display entirely on the screen (Fig 3A/B), where one source is overlayed onto another source i.e. submenu (Fig 3C) or a dual side-by-side display (Fig 3D/E).

In considering claims 7-10 and 12,

Suh discloses that based on the users input for a desired screen mode, the TV microcomputer controls (in addition to relaying information from unit 210) double window processing unit 100 which either enlarges/reduces the selected source(s) based on the selected screen mode.

In considering claim 11,

1) the claimed setting one of the plurality of screens...**is met where the user via key input can select a desired screen mode (Fig 3A-E)**

2) the claimed displaying a menu on the menu display screen **is met where microcomputer 110 controls (in addition to relaying signals from information**

processing unit 210) to double window processing unit 100 display the desired source(s) in the selected display mode.

Conclusion

2. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Otsuki et al., US 5,929,932 ; discloses program guide display controller to control the display and restrict contents of guide to be displayed.

Schein et al., US 6,075,575 ; discloses a method to allow user to interact, activate, select items from a television guide.

Florin et al., US 5,594,509 ; discloses a system which provides multiple levels of information on a display through an interactive transceiver.

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Brian Yenke whose telephone number is (703) 305-9871. The examiner work schedule is Monday-Thursday, 0730-1830 hrs.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's Supervisor, John W. Miller, can be reached at (703)305-4795.

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks

Washington, D.C. 20231

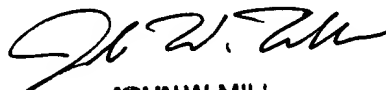
or faxed to:

(703) 872-9314

Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington, VA, Sixth Floor (Receptionist). Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Technology Center 2600 Customer Service Office whose telephone number is (703) 306-037

B.P.Y.

06 FEBRUARY 2002


JOHN W. MILLER
PATENT EXAMINER